

# COUNCIL COMMUNICATION

TO: THE CITY COUNCIL	COUNCIL MEETING DATE	NO.
FROM: THE CITY MANAGER'S OFFICE	APRIL 19, 1989	
SUBJECT: SPECIFICATIONS FOR THE PURCHASE OF CLASS 3 AND CLASS 2 WOOD UTILITY POLES		

RECOMMENDED ACTION: That the City Council approve the specifications for the purchase of 21 Class 3 and seven (7) Class 2 wood utility poles and authorize the advertisement for bids thereon.

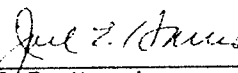
The bid opening date has been set for Wednesday, May 3, 1989.

BACKGROUND INFORMATION: Poles in seven lengths are included in this bid:

Class 3	Class 2
10 ea 45-foot	2 ea 75-foot
10 ea 55-foot	2 ea 80-foot
1 ea 70-foot	2 ea 85-foot
	1 ea 90-foot

The Class 3 poles will be purchased to support the Electric Utility Department's ongoing maintenance program of replacing damaged or deteriorated poles currently in service. The Class 2 poles are being purchased to meet the Utility Department's revised minimum inventory standards.

The estimated cost of this purchase is \$16,000, with delivery expected about six weeks after placement of order. Funding is available in the Electric Utility Department's operating fund.

  
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 Joel E. Harris,  
 Purchasing Officer

cc: Utility Director  
 Assistant Utility Director  
 Electrical Engineer

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SPECIFICATIONS  
WOOD UTILITY POLES

1.0 SCOPE

These specifications cover the minimum acceptable quality of full-length wood poles.

2.0 SPECIFICATIONS

The following specifications shall be met:

- A. Poles and methods of manufacturing shall be in accordance with ANSI Standard 05.1-1979, "Specifications and Dimensions for Wood Poles," or the latest revision thereof, except the spiral grain of any pole shall not exceed one complete twist in any 30 feet.
- B. Poles shall be cut, marked and bored as specified in Drawing Z-1.

3.0 TREATING REQUIREMENTS

The following requirements shall be met:

- A. Prior to treatment, poles shall be seasoned to a maximum of 25% (twenty-five percent) moisture content of the sapwood based upon the oven-dried weight.
- B. Poles shall be Douglas Fir and pressure-treated with pentachlorophenol by Cellon, Dow process in accordance with the requirements of AWWA\* Standards C1, "All Timber Products--Preservative Treatment by Pressure Processes," and C4, "Poles--Preservative Treatment by Pressure Processes," or the latest revisions thereof.
- C. The pentachlorophenol shall meet the requirements of AWWA Standard P8, "Standards for Organic Preservative Systems," or the latest revision thereof. The carriers shall be a petroleum solvent in

\* AWWA - American Wood-Preservers' Association

### 3.0 TREATING REQUIREMENTS (continued)

conformance with the latest edition of AWP Standard P9, "Standard for Hydrocarbon Solvents For Oil-Borne Preservative."

- D. Retention shall be not less than 0.45 pounds of pentachlorophenol per cubic foot of wood.

### 4.0 OTHER SPECIES AND TREATMENTS

Quotations on species other than Douglas Fir and quotations on Douglas Fir pressure treated with pentachlorophenol in a heavy petroleum solution which otherwise meet or exceed the requirements of these specifications will be considered as an alternate.

### 5.0 HANDLING AND SHIPPING

The following requirements shall be met:

- A. After treatment, the pole surface shall not be damaged by dragging or from the use of cant hooks, peavies, tongs, cables, slings and other tools normally used in pole handling operations.
- B. Delivery of poles shall be performed only during the normal 40-hour work week between 8:00 a.m. and 4:30 p.m., Monday through Friday, at the Municipal Service Center, 1331 South Ham Lane. Unloading shall be performed only by crane or boom supplied by the crucker/bidder. All shipments will be F.O.B. Lodi, California.

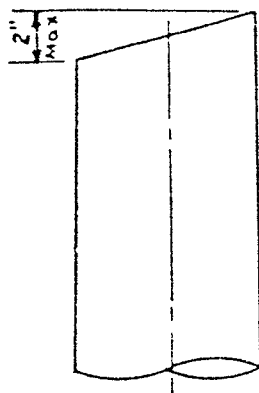


FIG. 1 POLE TOP  
DETAIL

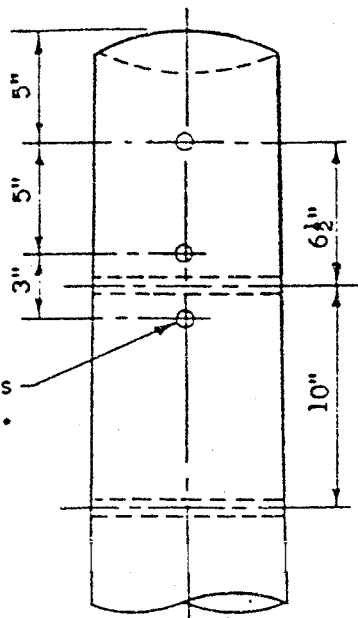


FIG. 2 BORING REQUIREMENTS  
40', 45' & 50' poles only

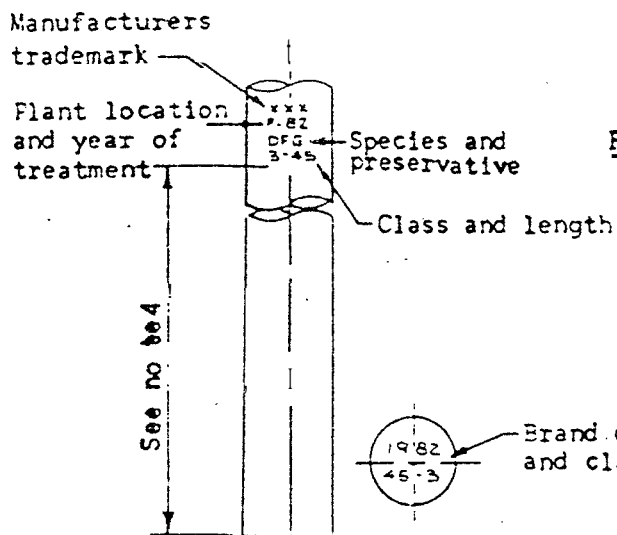


FIG. 3 MARKING

**NOTES:**

1. Poles shall be cut so that the butts are approximately square.
2. Poles shall be cut so that the tops have a slope in any direction of not more than 2 inches to the diameter of the pole as shown in Fig. 1.
3. All 40', 45' and 50' poles shall have holes bored as shown in Fig. 2.
4. LOCATION OF BRANDS. The distance of pole brands from the butt shall be 10' for 50' pole lengths and below, and 14' for 55' pole lengths and longer. Poles shall be marked as shown in Fig. 3.
5. Full length treated poles shall be cut, bored and marked as specified above before treatment.

FRAMING AND BORING REQUIREMENTS FOR WOOD POLES



**CITY OF LODI**

UTILITY DEPT.

SHEET 1 OF 1  
STANDARD SPEC.  
NO. Z-1

APPD. H. H. H. DATE 2/9/82